

CLAIMS

1. A method of providing an application to a set-top over a broadcast file system (BFS), the application including a configuration file, an image file, and a content file, the method comprising
5 the steps of:
 - segmenting the content file into a plurality of service files according to each service;
 - providing the configuration file, the image file, and the plurality of segmented service files to the BFS, wherein all of said files included in the application are continuously transmitted to the set-top;
 - 10 loading the configuration file and the image file on the set-top;
 - upon request for a service by a user, loading one service file included in the plurality of service files that is associated with the requested service;
 - storing the requested service file in memory; and
 - displaying the requested service file to the user.
- 15 2. The method of claim 1, wherein an application services interface (ASI) segments the content file into the plurality of service files.
3. The method of claim 1, further comprising the steps of, prior to loading the requested
20 service file onto the set-top, checking memory included in the set-top for a stored copy of the requested service file, and wherein, if stored in memory, displaying the stored service file to the user and not loading the requested service file.
4. The method of claim 1, further comprising the steps of, upon a request for a second
25 service by a user, checking memory for a stored copy of the second service, wherein, if a copy of the second service does not exist in memory, loading the second requested service from the BFS.
5. The method of claim 4, further comprising the steps of:
 - determining available memory capacity;
 - 30 if capacity exists, storing the second requested service in memory;
 - if there is not enough capacity, determining from the currently stored services the least used service, and deleting the least used service prior to storing the second requested service.
6. The method of claim 1, wherein the configuration file includes information regarding
35 memory size associated with the service file having the most memory requirement, and wherein a

private heap is allocated having adequate memory space to store the service file having the most memory requirement.

7. The method of claim 6, wherein the private heap is updated by the configuration file
5 when a service file having a greater memory requirement is added to the content file.